

**CLAIMS**

1. A device for measuring the static and/or dynamic friction coefficient of a surface, in particular a natural or artificial grass surface, comprising:

- a housing placed on supports, which is to be positioned on the surface to be examined;
- a rotatable shaft, which is vertically disposed in said housing;
- a body connected to the end of said shaft that faces towards the surface, which body comprises a contact surface which can be brought into contact with the surface to be examined; as well as
- measuring means for measuring, during operation, the torque caused by the friction between the surface to be examined and the contact surface of the rotating body, characterized in that the contact surface of the body is in line with the axis of rotation of the rotatable shaft.

2. A device according to claim 1, characterized in that said shaft is freely movable in vertical direction within the housing.

3. A device according to claim 1 or 2, characterized in that loading means can be placed on the end of the shaft remote from the surface.

4. A device according to claim 3, characterized in that said loading means comprise weights.

5. A device according to any one or more of the preceding claims, characterized in that said body can be detached from said shaft.

6. A device according to any one or more of the preceding claims, characterized in that said body takes up an inclined position with respect to the surface to be examined.

7. A device according to claim 6, characterized in that the inclined position of the body is adjustable.

8. A device according to any one or more of the preceding

claims, characterized in that said body has the shape of a foot.

9. A device according to claim 8, characterized in that the ball of the foot forms the contact surface of said body.

10. A device according to any one or more of the preceding claims, characterized in that the measuring means comprise at least one torsion measuring device.

11. A device according to any one or more of the preceding claims, characterized in that said supports are detachable.

12. A device according to any one or more of the preceding claims, characterized in that said supports are provided with means for increasing the friction.

13. A device according to claim 12, characterized in that said means for increasing the friction are embodied as studs, such as the studs used in sports shoes.